

Amendments to the Claims

The Claim Listing below replaces all prior versions of the claims in the subject application.

Claim Listing:

Claim 1 (currently amended): A method for downloading a file from a remote storage center to an end-user computer for content provided from a content server, said method comprising ~~the steps of:~~

receiving a request from an end-user computer for content at a content server;

transmitting from said content server to said end-user computer, in response to said end-user request, said content comprising at least one storage resource locator ("SRL"), wherein said SRL comprises a unique file identifier generated from the contents of the file to identify the file associated with said content, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field being generated based upon a hash of the contents of the file;

transmitting a request for said file from said end-user computer to a remote storage center, including transmitting said SRL for said file; and

transmitting, from said storage center to said end-user computer, said file identified by said SRL.

Claim 2 (currently amended): The method as set forth in claim 1, further comprising ~~the steps of:~~

transmitting from said content server to said end-user computer an SRL ~~further~~ comprising an authentication certificate;

determining, at said storage center, using said authentication certificate, whether said request is valid; and

transmitting, from said storage center to said end-user computer, said file only if said request is valid.

Claim 3 (currently amended): The method as set forth in claim 1, further comprising ~~the steps of:~~

transmitting to said end-user computer an SRL further comprising a time-out parameter; and

determining whether said request is valid through said time-out parameter.

Claim 4 (currently amended): The method as set forth in claim 1, further comprising ~~the step of:~~

embedding said SRL into said content after receiving said request from an end-user computer for said content.

Claim 5 (currently amended): The method as set forth in claim 4 ~~1~~, wherein the ~~step of~~ transmitting content comprises [:] transmitting hyper-text mark-up language ("HTML") content; and

the ~~step of~~ embedding said SRL into said content comprises ~~the step of~~ embedding said SRL into said HTML.

Claim 6 (currently amended): The method as set forth in claim 4, wherein the ~~step of~~ embedding said SRL into said content comprises ~~the steps of~~:

storing at least one SRL for a file in an SRL file; and

extracting said SRL from said SRL file.

Claim 7 (currently amended): The method as set forth in claim 4, wherein the ~~step of~~ embedding said SRL into said content comprises ~~the steps of~~:

coupling a local device comprising a cache to said content server;

storing at least one SRL for at least one file in said cache of said local device;

and

extracting said SRL from said cache of said local device.

Claim 8 (currently amended): The method as set forth in claim 7, further comprising ~~the~~
~~step of~~:

mounting said local device as a storage device for said content server for access
to said SRLs.

Claim 9 (currently amended): The method as set forth in claim 1, further comprising ~~the~~
~~steps of~~:

storing at least one SRL for at least one file in an SRL file;

storing said file for access by a file system; and

organizing said SRL files in a file system, accessible to said content server, with
a file structure substantially similar to said file structure for said files.

Claim 10 (currently amended): The method as set forth in claim 1, wherein:

~~the step of~~ transmitting a request for said file from said end-user computer to a
remote storage center comprises ~~the step of~~ transmitting a hyper-text transfer protocol
("HTTP") request; and

the ~~step of~~ transmitting said file from said storage center to said end-user computer comprises ~~the step of~~ transmitting said files using HTTP.

Claim 11 (currently amended): The method as set forth in claim 10, wherein the ~~step of~~ transmitting, from said storage center to said end-user computer, said file comprises ~~the step of~~ transferring a large media object.

Claim 12 (currently amended): A system comprising:

content server for receiving a request from an end-user computer for content, and for transmitting to said end-user computer, in response to said end-user request, said content comprising at least one storage resource locator ("SRL"), wherein said SRL comprises a unique file identifier generated from the contents of a file to identify the file associated with said content, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field being generated based upon a hash of the contents of the file; and

storage center for receiving a request for said file from said end-user computer, including transmitting said SRL for said file, and for transmitting, from to said end-user computer, said file identified by said SRL.

Claim 13 (currently amended): The system as set forth in claim 12, wherein:

said SRL further comprises an authentication certificate; and

said storage center is also for determining whether said request is valid using said authentication certificate, and for ~~and~~ transmitting to said end-user computer said file only if said request is valid.

Claim 14 (currently amended): The system as set forth in claim 12, wherein:

said SRL further comprises a time-out parameter; and

said storage center is also for determining whether said request is valid through said time-out parameter.

Claim 15 (currently amended): The system as set forth in claim 12, wherein said content server further comprises ~~comprising~~ processes for embedding said SRL into said content after receiving said request from an end-user computer for said content.

Claim 16 (currently amended): The system as set forth in claim 15, wherein:

said content comprises mark-up language ("HTML") content; and

said content server further comprises ~~comprising~~ processes for embedding said SRL into said HTML.

Claim 17 (currently amended): The system as set forth in claim 15, wherein:

said SRL further comprises ~~comprising~~ an SRL file; and

said content server further comprises ~~comprising~~ processes for extracting said SRL from said SRL file.

Claim 18 (currently amended): The system as set forth in claim 12, further comprising a local device, coupled to said content server, that includes a cache for storing at least one SRL for at least one file in said cache of said local device, wherein said content server further comprises ~~comprising~~ processes for extracting said SRL from said cache of said local device.

Claim 19 (original): The system as set forth in claim 18, wherein said content server comprises processes for mounting said local device as a storage device to said SRLs.

Claim 20 (currently amended): The system as set forth in claim 19, further comprising a file system, accessible to said content server, including at least one SRL file for storing at least one SRL, wherein said file system comprises ~~comprising~~ a file structure substantially similar to a file structure for said files.

Claim 21 (currently amended): A storage center comprising:

storage for storing a plurality of files;

storage control for receiving a request from an end-user computer, remote from said storage center, for at least one file, and for transmitting said file to said end-user computer, said request comprising at least one storage resource locator ("SRL") corresponding to said file, and wherein said SRL comprises a unique file identifier generated from the contents of a file to identify the file associated with content that said end-user computer downloaded from a content server, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field being generated based upon a hash of the contents of the file.

22 (currently amended): The storage center as set forth in claim 21, wherein:

said SRL further comprises an authentication certificate; and

said storage center is also for determining whether said request is valid using said authentication certificate, and for transmitting to said end-user computer said file only if said request is valid.

Serial No.: 09/753,141 Attorney Docket No.: P19172X Examiner: Dailey, Thomas J.

23 (currently amended): The storage center as set forth in claim 21, wherein:

said SRL further comprises a time-out parameter; and

said storage center is also for determining whether said request is valid through said time-out parameter.

24 (currently amended): The method of claim 1, wherein the another field identifies an operation to be performed involving the file and also includes the hash of the contents of the file ~~the unique file identifier is generated by performing a hash calculation on the contents of the file.~~